

Curriculum Vitae

Nicole E. Medina

Education

Bachelor of Science, Chemistry (1995)

Emmanuel College, Boston, MA

Coursework included: organic, physical, & biochemistry, physics, and calculus.

Research Project: (1994)

In-Vivo Mapping of Cocaine Metabolites in Biological Fluids

Conducted at Massachusetts State Police Crime Lab, Toxicology Department

Employment

Chemist I State Laboratory Institute (2004-Present)

Massachusetts Department of Public Health

Drug Analysis Laboratory

- Responsible for the identification of substance to determine violation of the Massachusetts drug laws
- Operate analytical instrumentation for forensic drug analysis
- Successfully completed an eight week training in the analysis of drugs conducted by senior staff of the Department of Public Health, Drug Analysis Laboratory
- Appointed an assistant analyst for the Department of Public Health, Drug Analysis Laboratory in 2005.

Research Associate (September 2001 – October 2004)

Wolfe Laboratories, Newton & Watertown, MA

- Provide broad-based support across all research projects
- Operate DSC, TGA, Karl Fischer, UV-Vis, and HPLC
- Performed product complaint testing for identity and concentration
- Performed long term API stability and pre-formulation studies in a GMP lab
- Performed solubility studies and qualified methods for RP-HPLC
- Perform leadership role in office and laboratory management

Laboratory Technician (January 1996 - April 1997)

Gillette, Boston, MA

- Research & development of proprietary colloidal and emulsion shaving products
- Received training in aerosol product development
- Developed knowledge of facility operating procedures GMP/GLP, including stability studies of prototype products; conducted all relevant stability tests.